

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions of claims in the application:

Listing of Claims:

1. (Currently amended): A system for ranking items in a selectable information list received from an information delivery system, comprising:

a database system that logs selections of information viewed by local users of the information delivery system and logs temporal history related to a plurality of time subintervals that correspond to the viewing of the selected information; and

a collaborative filtering system that employs the logged temporal history and disparate logged temporal history from a plurality of disparate database systems to infer content preferences associated with a likely subset of the local users that employs the information delivery system during a particular one of the plurality of time subintervals, which includes a target time period for providing a recommendation, and generate the recommendation specific to the inferred, likely subset of the local users based at least in part on the inferred content preferences and information obtained from a plurality of global users related to the particular one of the plurality of time subintervals, the collaborative filtering system automatically expands the particular one of the plurality of time subintervals to include at least one supplementary time subinterval when the recommendation produced from the particular one of the plurality of time subintervals including the target time period is insufficient.

2. (Previously presented): The system of claim 1, a selection is logged if the selection is viewed for a dwell time that exceeds a predetermined threshold.

3. (Previously presented): The system of claim 2, the collaborative filtering system assigns a positive vote to logged selections that are viewed for a dwell time that exceeds a predetermined threshold.

4. (Previously presented): The system of claim 1, a selection is logged if the selection is briefly viewed and jumped away to another selection.
5. (Previously presented): The system of claim 4, the collaborative filtering system assigns a negative vote to logged selections that are viewed briefly and jumped away to another selection.
6. (Previously presented): The system of claim 1, the viewed information is time stamped by event type and the collaborative filtering system is based on a single collaborative filtering model that is trained according to time subintervals that the information has been viewed.
7. (Previously presented): The system of claim 1, the collaborative filtering system is based on a plurality of separate collaborative filtering models, each collaborative filtering model is trained with the information from a particular time subinterval of temporal history that has been viewed.
8. (Cancelled).
9. (Previously presented): The system of claim 1, the collaborative filtering system provides in real-time a selectable recommendation list ordered by estimated degree of preference that a user has for each item.
10. (Previously presented): The system of claim 9, the collaborative filtering system receives attributes of at least one user of the system and utilizes these attributes in providing the selectable recommendation list.
11. (Previously presented): The system of claim 10, the collaborative filtering system receives attributes of other systems and utilizes these attributes in providing a globally ranked recommendation list to a cluster of systems based on the temporal viewing history of the systems of the cluster.

12. (Previously presented): The system of claim 9, the collaborative filtering system receives a previously viewed item list that has been filtered by a filtering system and generates a new recommendation according to the preferences provided by the filtered previously viewed item list.
13. (Original): The system of claim 12, the filtering system comprising at least one of a live show selection filter, a time period filter and a popularity filter, a pattern search engine and an adding items of interest and update component.
14. (Previously presented): The system of claim 1, further comprising a user interface that allows a user to provide at least one filter to a reviewed items list.
15. (Previously presented): The system of claim 14, the user interface allows a user to request a time period for reviewing information from the selectable recommendation list wherein the collaborative filtering system supplies the selections for the time period requested based on the temporal history of selections within a similar time interval covering the time period.
16. (Previously presented): The system of claim 14, the user interface receives a reviewed items list, allows a user to modify the reviewed items list, and inputs the modified reviewed items list as updated preferences into the collaborative filtering system, such that a new recommendation list can be generated based on the updated preferences.
17. (Original): The system of claim 1, the information being multimedia.

18. (Currently amended): A multimedia system that ranks programs in an electronic program guide list received from a program delivery system, comprising;

a database system that logs selections of programs viewed by local users utilizing a program delivery system and logs temporal history that includes a plurality of time subintervals that correspond to the viewing of the selected programs; and

a collaborative filtering system that employs the logged temporal history from the database system and different logged temporal history from a plurality of database systems associated with disparate users to infer content preferences associated with a likely subset of the local users that employs the program delivery system during a particular one of the plurality of time subintervals, which includes a target time period for providing a recommendation, and produce a user specific recommendation pertaining to the inferred, likely subset of the local users based at least in part on the inferred content preferences and information associated with a plurality of global users related to a particular one of the plurality of time subintervals, the collaborative filtering system automatically broadens the particular one of the plurality of time subintervals into at least one additional time subinterval when the recommendation generated from the particular one of the plurality of time subintervals covering the target time period is inadequate.

19-31. (Cancelled).

32. (Original): The system of claim 18, the multimedia system residing on a remote server coupled to at least one set top box wherein recommendations are generated by the server and transmitted to the set top box.

33. (Previously presented): The system of claim 32, the set top box having an electronic program guide system that receives and displays the recommendations to a user.

34. (Previously presented): The system of claim 32, the remote server further comprising a global inference system that groups multimedia systems into clusters and a set of general recommendations for members of at least one cluster based on the temporal viewing habits of members of the cluster.

35-52. (Cancelled).

53. (Currently amended): A system for ranking items in a selectable information list received from an information delivery system, comprising:

means for logging selections of information viewed by local users of the information delivery system and temporal history related to a plurality of time subintervals that correspond to the viewing of the selected information;

means for training a plurality of separate collaborative filtering models, each with information from a corresponding, respective time subinterval of the logged temporal history that has been viewed by the local users and disparate logged temporal history that has been viewed by a plurality of global users;

means for inferring content preferences associated with a likely subset of the local users that employs the information delivery system during a particular one of the plurality of time subintervals utilizing a respective one of the collaborative filtering models corresponding to a target time period to provide a recommendation; [[and]]

means for generating the recommendation specific to the inferred, likely subset of the local users based at least in part on the inferred content preferences and information obtained from a plurality of global users related to the particular one of the plurality of time subintervals;
and

means for automatically broadening the particular one of the plurality of time subintervals into at least one additional time subinterval when the recommendation yielded from the particular one of the plurality of time subintervals covering the target time period is inadequate.